Grade 8 Math M-8.1 KAS-KAA	KAS Standard: Graph proportional relationships, interpreting the unit rate as the slope of the graph. Compare two different proportional relationships represented in different ways. For example, compare a distance-time graph to a distance-time equation to determine which of two moving objects has greater speed. P Content Assessment Standard: Compare the slope of the graph in two different proportional ps.	Accommodations and Supports (Should align with IEP)
What doe proportion relationshi understan	s the student need to know to begin? (pre-requisite skills) content specific vocabulary (compare, slope), graphing equations and knowing that a graph is the visual representation of a math equation, ps showing how one part of an equation relates to and impacts another part, know direction words and negative and positive numbers, how to use a number line.	proportional d greater/less than,
What will compare t	the student be able to do? (student outcomes) When given a graph with two equations, the studer ne slopes.	nt will be able to
How will y	ou task analyze the skill?	
3)nlvn.usu company's content sta technology	You teach this? (SDI, strategies) smart board, manipulatives (physical and virtual), visual strategies edu (virtual manipulatives), internet4classrooms.com, questioning techniques in instruction, chart mass "Teaching to Standards: Math" curriculum, assistive technology necessary to make an intentional relandard in real life contexts, cue cards, check lists, prompts, story based lessons, kentuckymathematicy rocksseriously.com, slope: set up steps or a ramp, also lining up people by height, proportional relative distance or rate?	aker, attainment sponse, practice s.org,
What mat objects.	erials will be needed? calculator, graphs, number lines, graphic organizers, computer, websites, mod	dels, graph using real
What will	daily checks for understanding look like? (formative assessment)	
What were	e the outcomes of your practice test (summative assessment)?	

Reflections (what worked well, what will you change next time)

Grade	8
Math	
M-8.2	

KAS Standard: Solve linear equations in one variable. a. Give examples of linear equations in one variable with one solution, infinitely many solutions, or no solutions. Show which of these possibilities is the case by successively transforming the given equation into simpler forms, until an equivalent equation of the form x = a, a = a, or a = b results (where a and b are different numbers). **KAS-KAAP Content Assessment Standard:** Solve one variable linear equations.

Accommodations and Supports (Should align with IEP)

What does the student need to know to begin? (pre-requisite skills) content standard vocabulary (variable, linear equation), computation skills, calculator skills, understanding of math symbols, understanding that a letter (i.e. x, a, b) stands for a missing number, understanding the concept equality.
What will the student be able to do? (student outcomes)
How will you task analyze the skill? when given an equation with one variable, student will be able to solve the equation.
How will you teach this? (SDI, strategies) smart board, manipulatives (physical and virtual), visual strategies and representations, nlvn.usu.edu (virtual manipulatives), internet4classrooms.com, questioning techniques in instruction, chart maker, attainment company's "Teaching to Standards: Math" curriculum, assistive technology necessary to make an intentional response, practice
content standard in real life contexts, cue cards, check lists, prompts, story based lessons, kentuckymathematics.org,
technologyrocksseriously.com, calculator, algebra tiles, balance bar for equations activity, equations activity (what's missing? For
missing addends, i.e. 4 + = 7), teach what you do to one side you have to do to the other (to balance), use hands on equations
curriculum.
What materials will be needed? balance or scale, graphic organizers, calculator, math manipulatives, cue cards, check lists, Hands on Equations curriculum, algebra tiles, ruler, number line.
What will daily checks for understanding look like? (formative assessment)
What were the outcomes of your practice test (summative assessment)?
Reflections (what worked well, what will you change next time)

Grade 8 Math M-8.3 **KAS Standard:** Understand that a two-dimensional figure is congruent to another if the second can be obtained from the first by a sequence of rotations, reflections, and translations; given two congruent figures, describe a sequence that exhibits the congruence between them.

Accommodations and Supports (Should align with IEP)

KAS-KAAP Content Assessment Standard: Demonstrate an understanding of congruency between two-dimensional figures.

What does the student need to know to begin? (pre-requisite skills) content specific vocabulary (measurement, congruence, sequence, rotation, reflection, translation, similarity and dilations), understand attributes of shapes (i.e. number of sides, vertices, etc.), shape identification

What will the student be able to do? (student outcomes) when presented with two dimensional shapes, student will be able to identify congruency using shape attributes.

How will you task analyze the skill?
How will you teach this? (SDI, strategies) smart board, manipulatives (physical and virtual), visual strategies and representations, nlvn.usu.edu (virtual manipulatives), internet4classrooms.com, questioning techniques in instruction, chart maker, attainment company's "Teaching to Standards: Math" curriculum, assistive technology necessary to make an intentional response, practice content standard in real life contexts, cue cards, check lists, prompts, story based lessons, kentuckymathematics.org, technologyrocksseriously.com, mirrors, tangrams, geoboards, activity (sorting by similarity and difference), using a Venn Diagram to teach attributes, teach same and different, use models to compare for congruency, using an overhead or document camera to show similarities.
What materials will be needed? shape models, magazines/books, overhead/document camera, graphic organizers, tangrams,
geoboards, mirror.
900000.00,
What will daily checks for understanding look like? (formative assessment)
What were the outcomes of your practice test (summative assessment)?
Time word and detectined or your predator took (deminiative deceasement).
Reflections (what worked well, what will you change next time)

Grade 8 Math M-8.4	KAS Standard: Understand that a two-dimensional figure is similar to another if the second can be obtained from the first by a sequence of rotations, reflections, translations, and dilations; given two similar two dimensional figures, describe a sequence that exhibits the similarity between them.	Accommodations and Supports (Should align with
	AP Content Assessment Standard: Demonstrate understanding of similarity between two- nal figures.	IEP)
	es the student need to know to begin? (pre-requisite skills) content specific vocabulary (measurer, rotation, reflection, translation, similarity and dilations), understand attributes of shapes (i.e. number	
What will	the student be able to do? (student outcomes)	
	the student be able to do? (student outcomes) you task analyze the skill?	

technologyrookeen ricusty com, mirrore, tengrome, geoboarde, estivity / certing by similarity and difference)
technologyrocksseriously.com, mirrors, tangrams, geoboards, activity (sorting by similarity and difference)
What materials will be needed?
What will daily checks for understanding look like? (formative assessment)
Trial vin daily chocke for understanding fock into the formative acceptancing
What were the autoempe of your proctice test (summetive accessment)?
What were the outcomes of your practice test (summative assessment)?
Reflections (what worked well, what will you change next time)

Grade 8 Math M-8.5	KAS Standard: Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.	Accommodations and Supports (Should align with
	AP Content Assessment Standard: Demonstrate an understanding that a function is a rule that each input exactly one output.	· IEP)
	es the student need to know to begin? (pre-requisite skills) content specific vocabulary (function, lity to identify patterns.	input, output, ordered
What will	the student be able to do? (student outcomes)	
How will	you task analyze the skill?	
nlvn.usu.e company' content st	you teach this? (SDI, strategies) smart board, manipulatives (physical and virtual), visual strategies edu (virtual manipulatives), internet4classrooms.com, questioning techniques in instruction, chart makes "Teaching to Standards: Math" curriculum, assistive technology necessary to make an intentional resandard in real life contexts, cue cards, check lists, prompts, story based lessons, Kentuckymathematic yrocksseriously.com, build an input/output machine for functions, draw a T chart for ordered pairs.	er, attainment sponse, practice
What mat	erials will be needed?	

What will daily checks for understanding look like? (formative assessment)
What were the outcomes of your practice test (summative assessment)?
Reflections (what worked well, what will you change next time)

Grade 8 Math M-8.6	KAS Standard: Know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.	Accommodations and Supports (Should align with
	AP Content Assessment Standard: Given a volume formula, solve real-world problems involving	IEP)
	linders and spheres.	
What doe	es the student need to know to begin? (pre-requisite skills) content specific vocabulary (volume, covolume using unit cubes, identify 3-D shapes and figures, computation skills, compare and contrast 2-	
	the student be able to do? (student outcomes)	
How will	you task analyze the skill?	
nlvn.usu.e company' content st technolog	you teach this? (SDI, strategies) smart board, manipulatives (physical and virtual), visual strategies and virtual manipulatives), internet4classrooms.com, questioning techniques in instruction, chart makes "Teaching to Standards: Math" curriculum, assistive technology necessary to make an intentional restandard in real life contexts, cue cards, check lists, prompts, story based lessons, Kentuckymathematic lyrocksseriously.com, containers to compare/contrast volumes from various containers, identify examples of 3-D figures (cone, cylinder, sphere), calculator practice with cue cards.	r, attainment ponse, practice s.org,
What mat	terials will be needed?	
What will	daily checks for understanding look like? (formative assessment)	
What wer	re the outcomes of your practice test (summative assessment)?	

Reflections (what worked well, what will you change next time)					